

## Product datasheet for **MC227286**

### Aldoc (NM\_001303423) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aldoc (NM\_001303423) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aldoc  
**Synonyms:** AI847350; AI; Aldo3; AU040929; Scr; Scrg2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227286 representing NM\_001303423  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCACTCATACCCAGCTCTTTCTGCTGAGCAGAAGAAGGAGTTGTCGGATATTGCTCTACGGATCG  
TGACCCCGGCAAGGGCATTCTGGCTGCAGATGAGTCCGTAGGCAGCATGGCCAAAAGGCTGAGCCAAAT  
TGGGGTGGAGAACAACACTGAGGAGAATCGCCGGCTGTACCGCCAGGTCTATTCAAGTCTGATGACCGTGTG  
AAAAAGTGCAATTGGGGGGTTCATCTTCCATGAGACACTCTACCAGAAAGATGACAATGGTGTCCCT  
TCGTCCGACCATCCAGGATAAGGGCATTCTCGTAGGCATCAAGGTTGACAAGGGTGTAGTGCCTTAGC  
TGGGACCGACGGGAAACCACCACTCAAGGGCTGGATGGGCTCTTGAACGCTGTGCTCAGTATAAGAAG  
GACGGTGTGATTTTGCCAAATGGCGCTGTGTACTAAAAATCAGTGATCGCACGCCGTCGGCACTGGCCA  
TATTGGAGAAATGCCAACGTGCTGGCCCGCTATGCCAGCATCTGCCAGCAGAATGGGATCGTGCCTATTGT  
GGAGCCTGAGATTCTGCCTGACGGAGACCATGACCTCAAACGTTGCCAGTATGTTACAGAGAAGGTCCTG  
GCTGCTGTATAACAAGCCCTGAGTGACCATCATGTATACCTCGAAGGGACTCTGCTCAAGCCCAATATGG  
TGACCCCTGGCCATGCCGTCCCATCAAGTATAGCCAGAAGAGATCGCCATGGCAACTGCACTGCCCT  
CGGTCGTAAGTGTGCCCCAGCTGTCCAGGGGTGACTTTCTGTCTGGGGTTCAGAGTGAAGAGGAGGCT  
TCTCTCAACCTCAATGCCATCAACCGCTGCCCACTTCCCCGCCCCGGGCCCTCACCTTCTCCTATGGG  
GTGCCCTGCAGGCATCTGCACTCAATGCCTGGAGAGGACAAAGGATAATGCTGGGGCTGCTACTGAGGA  
GTTTATCAAGCGGGCAGAGATGAACGGCTTGCAGCCCAGGGCAGATATGAAGGCAGTGGAGATGGCGGA  
GCGGCAGCACAGTCCCTACATCGCCAACCATGCCTAC**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001303423



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<b>Insert Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001303423.1</a></u> , <u><a href="#">NP_001290352.1</a></u>
<b>RefSeq Size:</b>	2681 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	11676
<b>UniProt ID:</b>	<u><a href="#">P05063</a></u>
<b>Cytogenetics:</b>	11 46.74 cM
<b>Gene Summary:</b>	<p>This gene encodes a member of the aldolase family of enzymes that is mainly expressed in neuronal tissues. The encoded protein is an enzyme of the glycolysis pathway, and catalyzes the conversion of fructose-1,6-bisphosphate to glyceraldehyde-3-phosphate and dihydroxyacetone phosphate. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>